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09/650,566	08/30/2000	Kishore K. Chakravorty	884.315US1	8541
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SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.			EXAMINER	
P.O. BOX 2938 MINNEAPOLIS, MN 55402			PHAN, THANH S	
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•			DATE MAILED: 02/27/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Description Descr		Application No.	Applicant(s)				
## Deficie Action Summary Examiner	•						
Thanh S Phan The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. THE MAILING DATE OF STHIS COMMUNICATION. If the period for pay pecified above is less than thing (30) days, a replace in the studenty mismine the studenty mismine the period for pay pecified above is less than thing (30) days, a replace in the studenty mismine of thing (50) gays, a large with the soft of second part of the communication. If the period for pays pecified above is less than thing (30) days, a replace is a second to the period for pays pecified above is less than thing (30) days, a replace is a period to the specified of the communication. If the period for pays pecified above is less than the replace in the studenty mismine of the period of this communication. If the period for pays pecified above is less than the replace in the studenty mismore AARNOEME (SU S. C. § 13). Any pays received by the Office later from them entired above the replace of this communication. Fallus to represe AARNOEME (SU S. C. § 13). Responsive to communication(s) filled on	Office Action Summary						
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2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)	THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	DN. FR 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thi eriod will apply and will expire SIX (6) MOI statute. cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
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3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:	2) Notice of Draftsperson's Patent Drawing Review (PTO-94	8) 5) Notice o					

Application/Control Number: 09/650,566

Art Unit: 2841

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-10, and 28-30, drawn to a multi substrate for mounting a die, classified in class 174, subclass 261.
- II. Claims 11-24, drawn to an electronic assembly, classified in class 361, subclass 801.
- III. Claims 25-27, drawn to a data processing system, classified in class 361, subclass 752.

The inventions are distinct, each from the other because of the following reasons:

Inventions III and (I and II) are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the data processing system is operable without the specific multiplayer substrate for mounting a die of I or the specific electronic assembly of II. The subcombination has separate utility such as a multiplayer substrate for mounting a die and an electronic assembly for a device other than the specific data processing system of III.

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Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

A telephone call was made to Ann McCrackin on 2/20/02 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh S Phan whose telephone number is 703-305-0069. The examiner can normally be reached on M-F 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David S Martin can be reached on 703-308-3121. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7722 for regular communications and 703-305-7722 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

TSP

February 21, 2002

David Martin Primary Examiner